

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P/2360.WO/CJW	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2004/007161	International filing date (day/month/year) 01/07/2004	(Earliest) Priority Date (day/month/year) 03/07/2003
Applicant XSIL TECHNOLOGY LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 5

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/007161

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01L21/68 H01L21/58

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 359 373 A (LINTEC CORP) 21 March 1990 (1990-03-21)  abstract; figures 1-8 claim 2 page 5, line 28 - line 31 -----	1-5, 10, 14, 15, 17-20, 24, 25
Y	EP 1 107 299 A (LINTEC CORP) 13 June 2001 (2001-06-13)  abstract; figures 5,6 page 3, paragraph 22 - page 4, paragraph 34 ----- -/--	1-5, 10, 14, 15, 17-20, 24, 25

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&amp;" document member of the same patent family

Date of the actual completion of the international search

19 October 2004

Date of mailing of the international search report

29/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Favre, P

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 03/049164 A (KITAMURA MASAHIKO ; KIMURA YUSUKE (JP); YAJIMA KOICHI (JP); DISCO CORP) 12 June 2003 (2003-06-12)	1-5, 10, 14, 15, 17-20, 24, 25
P, Y	abstract -& US 2004/048419 A1 (KITAMURA MASAHIKO ET AL) 11 March 2004 (2004-03-11)  abstract; figures 7-10 page 3, paragraph 40 page 3, paragraph 45 - page 4, paragraph 59 page 4, paragraph 75	1-5, 10, 14, 15, 17-20, 24, 25
A	----- EP 1 244 143 A (LINTEC CORP) 25 September 2002 (2002-09-25) abstract; figures 1, 2 claims 6, 7	1-25
A	----- US 6 319 754 B1 (LIN CHUN-HUNG ET AL) 20 November 2001 (2001-11-20) abstract; figures 1-5 column 2, line 53 - column 3, line 48 claim 1 -----	1-25

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/007161

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0359373	A	21-03-1990	JP 1987034 C	08-11-1995
			JP 2032181 A	01-02-1990
			JP 7015087 B	22-02-1995
			DE 68920807 D1	09-03-1995
			DE 68920807 T2	29-06-1995
			EP 0359373 A2	21-03-1990
			KR 9509551 B1	24-08-1995
			US 5118567 A	02-06-1992
			US 5110388 A	05-05-1992
			US 5356949 A	18-10-1994
EP 1107299	A	13-06-2001	JP 2001156027 A	08-06-2001
			CN 1298204 A	06-06-2001
			EP 1107299 A2	13-06-2001
			SG 90205 A1	23-07-2002
			TW 487981 B	21-05-2002
			US 6656819 B1	02-12-2003
WO 03049164	A	12-06-2003	WO 03049164 A1	12-06-2003
			US 2004048419 A1	11-03-2004
US 2004048419	A1	11-03-2004	WO 03049164 A1	12-06-2003
EP 1244143	A	25-09-2002	JP 3544362 B2	21-07-2004
			JP 2002280329 A	27-09-2002
			CN 1375866 A	23-10-2002
			EP 1244143 A2	25-09-2002
			TW 533532 B	21-05-2003
			US 2002137309 A1	26-09-2002
US 6319754	B1	20-11-2001	NONE	